

**REMARKS**

Reconsideration of the present application is respectfully requested. No claims have been amended, canceled, or added. Therefore, claims 1-33 remain pending in the present application.

Claims 1-3, 26-28, and 32-33 stand rejected under 35 U.S.C. §103(a) as being unpatentable over PCT 99/036795 to Krasner ("Krasner") in view of U.S. Patent No. 6,442,375 to Parmentier ("Parmentier"). The Office Action acknowledges that Krasner does not teach that the modification allows the first subunit to remain fully operational, and wherein signal quality of the input signals is maintained in the presence of the output signals. *See* Office Action, page 3. However, the Office Action states that "Parmentier doesn't mention anywhere in the specification that the signal quality is being degraded....Parmentier...[teaches] maintaining the operation of a receiver...by providing automatic gain control module at a proper level for normal or steady state operation."

While Applicants agree that Parmentier teaches that operation is maintained, Applicants respectfully disagree that Parmentier teaches that normal operation is maintained. Applicants respectfully submit that col. 2, lines 25-28 of Parmentier do not state that the operation of a receiver is at a proper level for normal or steady state operation. In contrast, col. 2, lines 25-28 state that the receiver maintains operation. Applicants submit that the operation of the receiver of Parmentier may be maintained, albeit at a reduced performance level as set forth below.

Parmentier teaches that "an automatic gain control (AGC) module is typically used to adjust the gain of the signal received through the GPS antenna to a power level suitable for processing by the GPS receiver. As is known in the art, the suitable power level depends at least partially on the GPS signal strength. Parmentier suggests a receiver that keeps the AGC gain at a fixed level in the presence of an interfering signal. *See* Parmentier, col. 2, lines 62-65. If the AGC gain is fixed, then the AGC gain cannot follow the GPS signal strength under interference conditions and some loss in performance is exhibited. Applicants therefore submit that Parmentier teaches that at least some loss in performance is exhibited when the AGC gain is kept at a fixed level. Applicants respectfully submit that Parmentier, in combination with Krasner, does not teach or suggest that the signal quality of the input signals is maintained as claimed in

claims 1, 24-26, and 32. Applicants request that the §103 rejection of claims 1, 24-26, and 32 be withdrawn.

Claims 3, 27-28, and 33 are either directly or indirectly dependent from one of claims 1, 26, and 32 and should distinguish over the combination of Krasner and Parmentier for at least the same reasons as stated above. Applicants respectfully request that the §103 rejection of claims 3, 27-28, and 33 be withdrawn.

Claims 4, 24-25, and 29-31 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Krasner, in view of Parmentier, and further in view of U.S. Patent No. 6,134,427 to Hughes ("Hughes"). As noted above, the combination of Krasner and Parmentier does not teach or suggest that the signal quality of the input signals is maintained. Hughes does not remedy this deficiency in that Hughes has merely been cited for the purpose of teaching a low noise amplifier having at least two operation modes. *See* Office Action, page 4. Applicants respectfully submit that claims 4, 24-25, and 29-31 distinguish over the combination of Krasner, Parmentier, and Hughes and request that the §103 rejection of claims 4, 24-25, and 29-31 be withdrawn.

In view of the above, each of the presently pending claims in this application is believed to be in immediate condition for allowance. Accordingly, the Examiner is respectfully requested to pass this application to issue.

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Respectfully submitted,

By: 

Ashley N. Moore

Registration No.: 51,667

JENKENS & GILCHRIST, A PROFESSIONAL  
CORPORATION

1445 Ross Avenue, Suite 3200

Dallas, Texas 75202

(214) 855-4500

Attorneys For Applicant